

**What is Claimed:**

1. A method of adding moisture to municipal solid waste comprising:  
providing a fluid delivery system which includes  
an excavator comprising a movable arm and a fluid jet coupled to the movable arm and  
industrial or agricultural irrigation equipment comprising a pump having an inlet and an outlet, a first conduit in fluid communication between a fluid source and the pump inlet, and a second conduit in fluid communication between the fluid jet and the pump outlet, wherein the excavator is positioned on top of a landfill adjacent to a working face of the landfill;  
exposing a substantial portion of a volume of municipal solid waste to the atmosphere; and  
adding moisture to the volume of municipal solid waste using the fluid delivery system in an amount sufficient to facilitate decomposition of the municipal solid waste.
2. The method according to claim 1, wherein said exposing is carried out without substantially reducing the size of waste particles in the volume of solid waste.
3. The method according to claim 1, wherein said adding moisture and said exposing are carried out simultaneously.
4. The method according to claim 1, wherein said exposing is carried out with a landfill dozer or an excavator equipped with a grapple hook.
5. The method according to claim 1, wherein said exposing is carried out at a working face of a landfill.
6. The method according to claim 1, wherein the excavator is provided directly above the working face and said adding moisture is carried out by spraying fluid from the fluid jet downwardly onto the volume of solid waste.

7. The method according to claim 1, wherein said adding moisture is carried out at a rate of about 25 to about 50 gallons of liquid per ton of solid waste.

8. A fluid delivery system consisting of:  
an excavator comprising a movable arm and a fluid jet coupled to the movable arm and  
industrial or agricultural irrigation equipment comprising a pump having an inlet and an outlet and a capacity of delivering between about 100 to about 500 gallons/minute, a first conduit in fluid communication between a fluid source and the pump inlet, and a second conduit in fluid communication between the fluid jet and the pump outlet.